United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505

NPS PA MD D+M

Reply To: 3460

Date: January 7, 1993

David Reynolds, IPM Specialist
USDI National Park Service
Mid-Atlantic Region
143 South Third Street
Philadelphia, PA 19106

Dear Mr. Reynolds:

A summary of the 1983-1992 gypsy moth trapping program conducted at Assateaque Island National Seashore, Fort Necessity National Battlefield, and Friendship Hill National Historical Site is enclosed for your information (Table 1). Also enclosed are maps (Figures 1-3) showing the trap locations at each site. The purpose of the program is to monitor low level gypsy moth populations and to help us determine when more quantifiable survey methods such as egg mass surveys should be employed.

Gypsy moth catches at Fort Necessity NB and Friendship Hill NHS averaged 292 and 207 moths per trap, respectively. Egg mass surveys have been conducted by USDA Forest Service personnel at these sites in 1992. (See Egg Mass Survey report dated 12/23/92). Since egg mass surveys are conducted annually at these two sites, future gypsy moth trapping is not necessary for our purposes. However, if resource managers at Fort Necessity NB and Friendship Hill NHS would like to continue trapping at their site, we will continue to support them.

Gypsy moth catches at Assateaque Island National Seashore averaged 60 moths per trap (range = 0-227). This is an increase from 48 moths per trap (range = 10-86) in 1991. Gypsy moth catches are still relatively low and populations should not have any significant impact in 1993. We would like to see the trapping program continued at the same intensity at Assateaque Island National Seashore in 1993.

Thank you for your continued cooperation and if you have any questions regarding these results, please call me at (304) 285-1556.

Sincerely,

Karen D. Felton

KAREN D. FELTON
Biological Technician
Forest Health Protection

Enclosures

cc: AO
Marilyn Paris
Mike Brennan
Chuck Smith, Ft. Necessity & Friendship Hill
Robert Tichenor, MDDA
Barry Towers, PADER
Larry Rhoads, PADER
Carl Zimmerman, Assateaque Island

KDF/ct

Table 1.--Summary of the 1983-1992 gypsy moth trapping program at three USDI National Park Service sites, Mid-Atlantic Region.

Assateaque Island National Seashore (Worchester County, MD)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	130	All except 10
1984	10	75	All except 10
1985	10	81	All except 10
1986	10	317	All except 8
1987	10	35	All except 8
1988	10	183	All
1989	10	212	All except 7
1990	10	622	?
1991	10	475	All
1992	10	602	All except 1,2,6,7

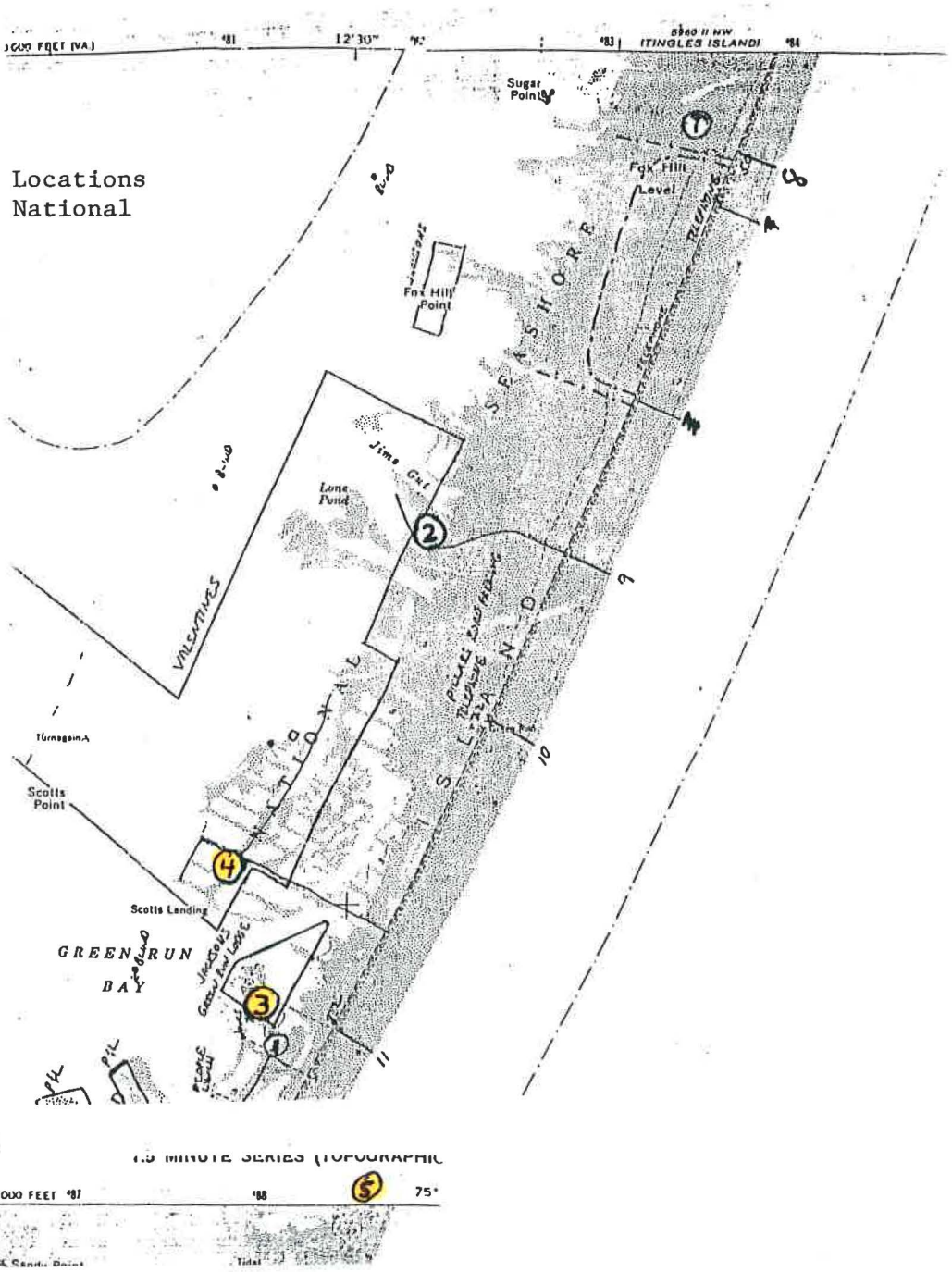
Fort Necessity National Battlefield (Fayette County, PA)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	5	170	All
1984	5	335	All
1985	7	670	All
1986			Traps not returned
1987	30	6451	All except FF11
1988	23	16054	All
1989	?	37316	Unknown
1990			Data unknown
1991	4	1051	All
1992	14	2914	All except 3,6,7,14

Friendship Hill National Historic Site (Fayette County, PA)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	5	2	2
1984	5	2	All
1985	5	5	1,2,5
1986	9	25	All
1987	8	14	4,7,8
1988	8	58	All except 8
1989	8	1900	All
1990	8	1522	All
1991	8	~~3,2,38~~ 3238	All
1992	10	1448	All except 1, 3,4

Figure 1.--1992 Gypsy Moth Trap Locations at Assateague Island National Seashore.



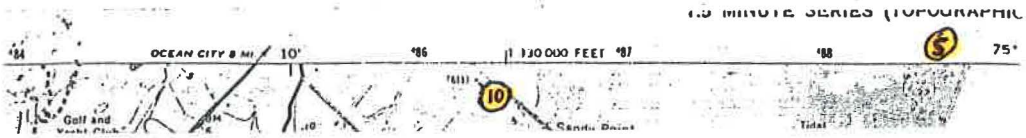


Figure 2.--
Gypsy Moth pheromone trap locations at Fort Neccessity National Battlefield, June - August, 1992

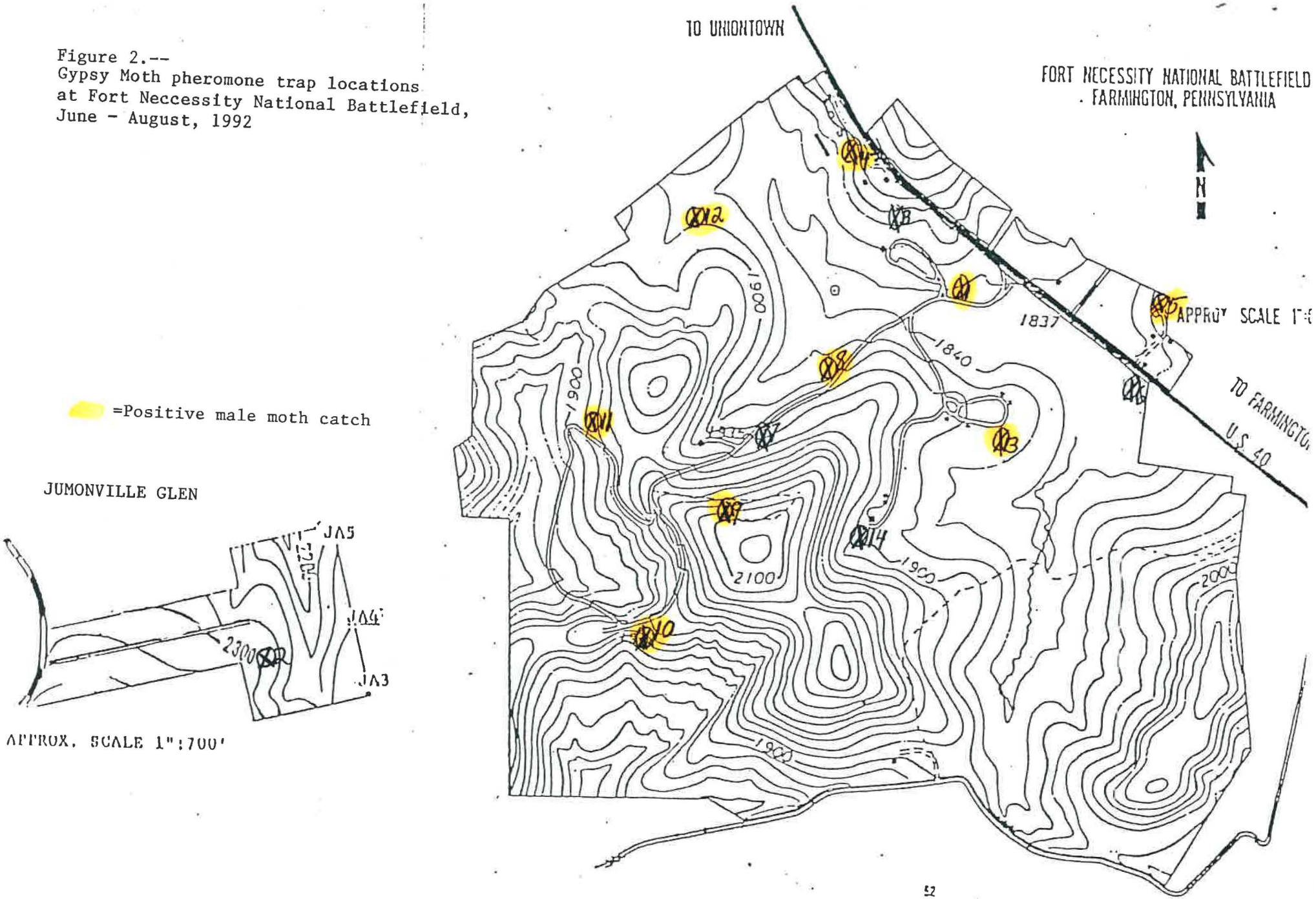
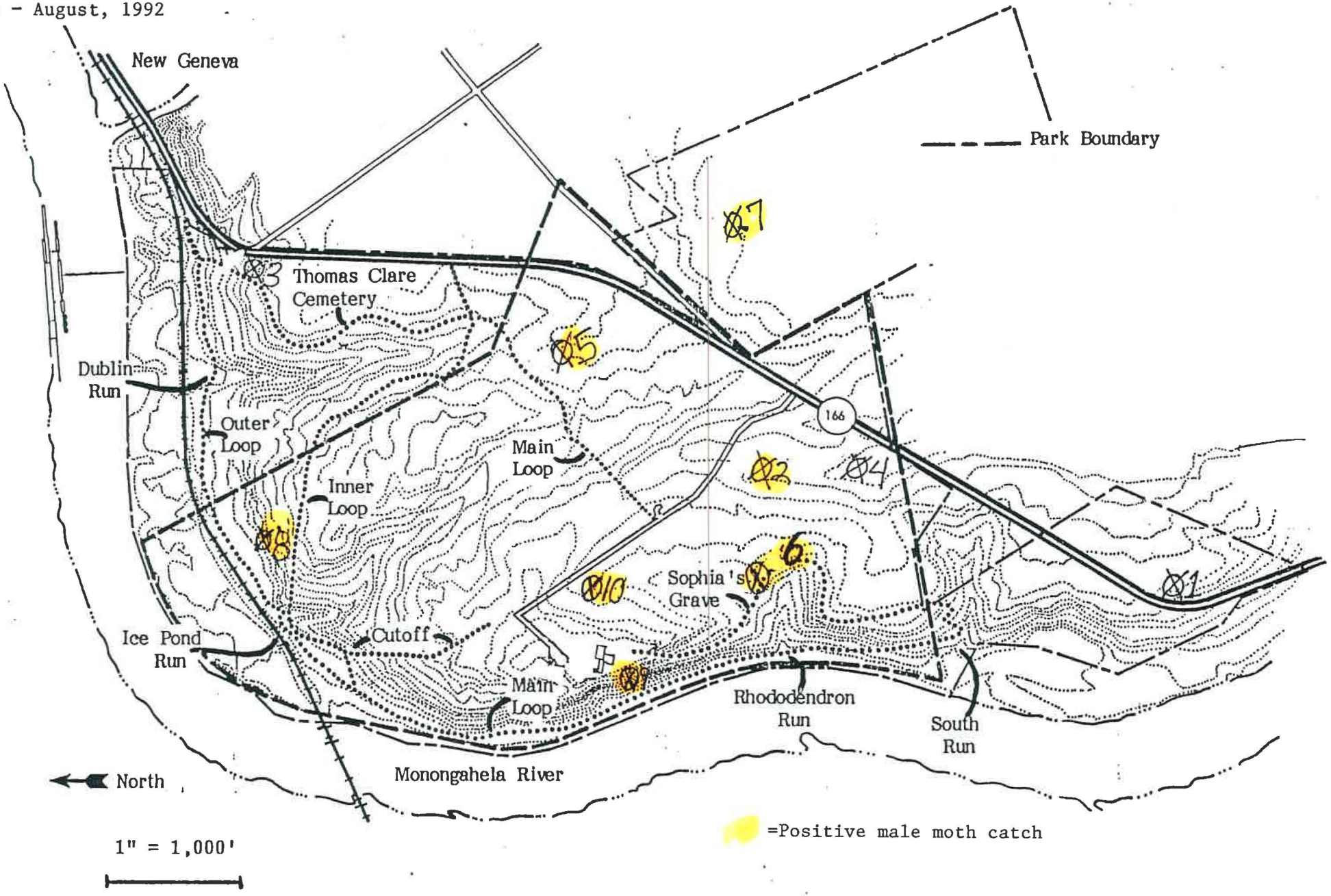


Figure 3.--
Gypsy Moth pheromone trap locations at Friendship Hill National Historic Site, June - August, 1992



Friendship Hill NHS is located 3 miles north of Point Marion, PA along PA 166, about mid-way between Uniontown, PA and Morgantown, WV.